

What is claimed is:

1. A display device for use in a vehicle, by which an image displayed on a display source is projected on a projection area of a windshield of the vehicle so that the foreground of the vehicle visible from an eye point of the vehicle through the windshield and a virtual image of the image projected on the windshield, which is superposed upon the foreground, are seen together, comprising

a correction member, disposed between the windshield and the display source, for transmitting a light of the image therethrough so as to correct the image to be projected on the windshield so that distortion of the image, which is seen from the eye point, arising from non-plane of the projection area of the windshield is canceled out,
wherein the correction member is formed by extracting a specific portion, which can cancel out the distortion of the image, from a lens having a curved surface having a single radius of curvature.

2. A display device for use in a vehicle, by which an image displayed on a display source is projected on a projection area of a windshield of the vehicle so that the foreground of the vehicle visible from an eye point of the vehicle through the windshield and a virtual image of the image projected on the windshield, which is superposed upon the foreground, are seen together, comprising

a correction member, disposed between the windshield and the display source, for transmitting a light of the image therethrough so as to correct the image to be projected on the windshield so that distortion of the image, which is seen from the eye point, arising from non-plane of the projection area of the windshield is canceled out,

wherein the correction member is a specific portion, which can cancel out the distortion of the image, of a lens having a curved surface having a single radius of curvature.